

K960739

510(k) SUMMARY

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Subject Device: **Savaria V-1504 Vertical Platform Lift**

Predicate Device: **The National Wheel-O-Vator Co., Inc. Vertical Wheelchair Lift (K934553).** See ATTACHMENT B for product literature.

Subject Product
Description:

The V-1504 Vertical Platform Lift is a lift designed to carry a maximum of one wheelchair and two individuals (500 lb. capacity; 750 lb. optional) directly up and down between floors in a residential or public facility. It is designed for use both inside and outdoors and can be operated either enclosed or unenclosed. The V-1504 is driven by a 2:1 chain hydraulic system, consisting of two #50 high quality roller chains, a cylinder and pump powered by an electric (1.5 hp) motor. The breaking load and stress factor of each chain is 6200 lbs.

The lift can be controlled from either end at a key-controlled station or from an on-board panel. All of the controls are of low voltage, incorporate continuous pressure directional buttons, and comply with U.S. ANSI/UL standard 508.

The maximum lifting height is 23 feet, and the platform travels at a speed of 25 ft/min. The lift also provides for battery-powered lowering in emergency situations.

The platform is constructed of ASTM A366 steel tubing and has an anti-skid surface. The enclosure is made of plexiglass and 0.100" steel tube. For more technical information see ATTACHMENT A, which also contains photographs and engineering drawings.

Intended Use: The V-1504 Vertical Platform Lift is intended to mechanically transport an individual in a wheelchair directly between floors in a private residence or public facility.

Product

Comparison: The V-1504 is substantially equivalent in design and function to National Wheel-O-Vator Co., Inc.'s Vertical Wheelchair Lifts (K934553). Also of steel construction, the Wheel-O-Vator lift uses principally the same design as the V-1504 and accomodates a 550 lb. load (750 lb. capacity optional). It provides a manual operation system similar to that of the V-1504. Moreover, it can be used both indoors and outdoors and can be custom-tailored for varying applications.

A comparative table of features for the two devices is set forth on page 4. See ATTACHMENT B for full product labeling for the Wheel-O-Vator.